

# Schedule

Winwall Technology Sdn Bhd  
No. 25 Jalan Laman Setia 7/3  
Taman Laman Setia  
81550 Ulu Choh  
Johor, Malaysia

Certificate No. : LA-1996-0101-B-1  
Issue No. : 1  
Date : 8 January 2024  
Expiry of Certificate : 6 May 2026  
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FIELD OF TESTING : Civil Engineering Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A Curtain Walls, Exterior Windows & Doors	1. Rate of air leakage under specified pressure differences across specimen	ASTM E283/E283M-19 CNS 13971: 2006
	2. Structural performance by uniform static air pressure	ASTM E330/E330M-14 (Reapproved 2021) CNS 13972: 2006
	3. Water penetration by uniform static air pressure difference	ASTM E331: 2000 (Reapproved 2023) CNS 13974: 2006
	4. Water penetration by cyclic static air pressure difference	ASTM E 547: 2000 (Reapproved 2016)
	5. Water penetration using dynamic pressure	AAMA 501.1:2017 CNS 13973: 2006
B Curtain Walls & Storefront Systems	1. Static test – Seismic and wind induced inter-storey drifts	AAMA 501.4:2018 CNS 14281: 2006
	2. Static test – Vertical Inter-Story Movement	AAMA 501.7-17
C Building Facades	1. Preliminary tests 2. Structural test at serviceability limit state 3. Air infiltration test 4. Water penetration test by static pressure followed by cyclic pressure test	} AS/NZS 4284: 2008

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D Windows	5. Seismic test at serviceability limit state displacement (includes subsequent water penetration test)	AS/NZS 4284: 2008	
	6. BMU restraint test		
	7. Strength test at ultimate limit state		
	8. Seismic test at ultimate limit state displacement		
	9. Seal degradation test		
	1. Air leakage test	SS 212: 2007	
			2. Watertightness test
			3. Structural performance test
			4. Proof load test
	5. Test sample, preparation for tests and test sequence	AS/NZS 4420.1:2016	
6. Deflection test			
7. Operating force test			
8. Air infiltration test			
9. Water penetration resistance test			
10. Ultimate strength test			
E Curtain Walls	1. Water-tightness	SS 381: 2007	
	2. Air Permeability		
	3. Proof load test		

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## Approved Signatories

- Simon Chin – For All Accredited Tests
- Goh Aik Wee – For All Accredited Tests
- Rector P. Gerundio Jr – For All Accredited Tests

## Note:

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.